



MATERIAL SAFETY DATA SHEET
COMPLIES WITH 29 CFR 1910.1200.
OSHA HAZARD COMMUNICATION RULE

DATE OF LAST REVISION: 12-05-06

CHEMICAL IDENTITY

LABEL IDENTITY	SCANDIUM OXIDE
CHEMICAL NAME/SYNONYMS	SCANDIUM OXIDE
FORMULA	Sc₂O₃
CHEMICAL FAMILY	SCANDIUM
HAZARDOUS INGREDIENTS	SCANDIUM
CAS No.	12060-08-1

PHYSICAL AND CHEMICAL PROPERTIES

COLOR, FORM AND ODOR	White, Powder/Target, Odorless
BOILING POINT	NA
DENSITY (gm/cc)	NA
VAPOR PRESSURE @ 20°	NA
SOLUBILITY IN WATER	Insoluble
MELTING POINT	NA
SPECIFIC GRAVITY (H ₂ O=1)	NA
PH	NA
MOLECULAR WEIGHT	NA

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	NA
SPECIAL FIRE FIGHTING PROCEDURES	Use fire fighting measures that suit the Surrounding fire. Do not use water or carbon Dioxide as extinguishing agent.



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HEALTH HAZARD INFORMATION

SKIN CONTACT: May cause irritation and irritate an existing dermatitis.
EYE CONTACT: May cause irritation, experienced as redness of the conjunctiva. Liquids can also cause irritation due to drying of solution or slurry, creating airborne dust.
SWALLOWING: May cause nausea.
SKIN ABSORPTION: May show evidence of irritation.
INHALATION: May cause fever, cough, and increase in white blood cell counts. Breathing of dust may aggravate asthma and inflammatory or fibrotic pulmonary disease. This applies to liquids also, due to the drying of solution or slurry creating airborne dust.

CARCINOGENICITY: **No** NTP: **No** IARC MONOGRAPHS: **No** OSHA REGULATE: **No**

REACTIVITY DATA

STABILITY

Decomposition will not occur if used and stored according to specifications. Avoid acids, water/moisture.

SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Local dust pickup recommended for open flowing powdered products. Wear personal protective equipment to protect health if TLV is exceeded while handling product. Store material in a dry location with adequate support for the weight of the product. Use caution when lifting product cartons not to strain your back muscles. Store material away from ignition sources which could catch packaging materials on fire.

WASTE DISPOSAL METHOD:

Collect material into containers for recycle or reuse. Do not throw in trash or place in landfill. Refer to governmental and regional requirements.



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SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION

If there is dustiness, wear a respirator selected per OSHA standards.

LOCAL EXHAUST

NA

MECHANICAL (general)

NA

PROTECTIVE GLOVES

Recommended

EYE PROTECTION

Splash goggles, safety glasses, or face shields recommended.

BODY PROTECTION

An apron, or other impermeable body protection suggested. Wash any contaminated clothing before reuse.

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NA= NOT APPLICABLE

ND= NO DATA FOUND